
MEMORANDUM

TO: MSDS Requester
FROM: Sue Stewart - 3E Company Data Management
RE: The MSDS you have requested

Manufacturer: SUNNILAND CORPORATION

Product: MILOORGANITE

Per the Manufacturer the MSDS(s) listed below cover the above product.

MILOORGANITE

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME MILWAUKEE METROPOLITAN SEWERAGE DISTRICT		EMERGENCY TELEPHONE NO. (414) 482-2040
ADDRESS (Number, Street, City, State, and ZIP Code) 735 NORTH WATER STREET MILWAUKEE, WI 53202		
CHEMICAL NAME AND SYNONYMS Heat Dried Activated Sludge		TRADE NAME AND SYNONYMS MILORGANITE
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

	%	TLV (Units)
No direct hazards are known. Milorganite is made from sewage freed from grit and coarse solids, and aerated after being inoculated with micro-organisms. The resulting flocculated organic matter is withdrawn from the tanks, filtered with the aid of a coagulant, dried in rotary kilns, ground and screened.		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	0.68
VAPOR PRESSURE (mm Hg.)		PERCENT. VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ %)	
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Granular/Earthy		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA	Water		
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus in large fires.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	Moderate fire potential when exposed to heat or flame in dust form.		

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

TS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

XX

Open flame and fire.

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

Normally none, however incomplete burning may yield carbon monoxide.

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

XY

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

None.

WASTE DISPOSAL METHOD

No special waste disposal methods. Dispose of in accordance with local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None.

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

Normal Ventilation

OTHER

PROTECTIVE CLOVES

None.

EYE PROTECTION

Yes, Normal Precautions.

OTHER PROTECTIVE EQUIPMENT

Follow normal hygiene practices.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

None.

OTHER PRECAUTIONS